SAP Manufacturer Account – Blockchain API Specifications

# General Information:

**Invoke URL (DNS):**

* <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/POC>
* <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer>

**Basic Authorization Credentials:**

* ***Username***: admin
* ***Password***: secret

Owner Info:

* ***Manufacturer***: testOrg1
* ***Retailer***: testOrg2

# Create Goods Receipt against Production Order

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/report/goods-receipt/production-order>

***Request Type***: POST

***Body Payload***:

{

"**ProductionOrderID**": “TESTPRODORD0002”,

"**MaterialID**": “TESTMAT0002”,

"**Quantity**": 500,

"**Plant**": “TESTPLANT”,

"**StorageLocation**": “TESTSLOC”,

"**BatchNumber**": “TESTBATCH0002”

}

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Create Sales Order

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/sales-order>

***Request Type***: POST

***Body Payload***:

{

"**SalesOrderID**": “TESTSO0002”,

"**POReference**": “TESTPO0002”,

"**LineItemNumber**": “TESTLI0001”,

"**MaterialID**": “TESTMAT0002”,

"**Quantity**": 100

}

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Create Delivery

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/delivery>

***Request Type***: POST

***Body Payload***:

{

"**DeliveryNumber**": “TESTDEL0002”,

"**MaterialID**": “TESTMAT0002”,

"**HUID**": “TESTHUID0001”,

"**BatchNumber**": “TESTBATCH0002”,

"**Quantity**": 100,

"**SalesOrderID**": “TESTSO0002”,

"**LineItemNumber**": “TESTLI0001”,

}

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Create Shipment

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/shipment>

***Request Type***: POST

***Body Payload***:

{

"**ShipmentID**": “TESTSHIP0002”,

"**SalesOrderID**": “TESTSO0002”,

"**DeliveryNumber**": “TESTDEL0002”

}

***Authorization***:

* ***Username***: admin
* ***Password***: secret

To check if data successfully entered inside blockchain, you can use GET methods on resources

# Get Material

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/material>

***Request Type***: GET

***Query Payload***:

* “**MaterialID**” = “TESTMAT0002”

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Get Batch

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/batch>

***Request Type***: GET

***Query Payload***:

* “**MaterialID**” = “TESTMAT0002”
* “**BatchNumber**” = “TESTBATCH0002”
* “**Owner**” = “testOrg1”

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Get Purchase Order

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/purchase-order>

***Request Type***: GET

***Query Payload***:

* “**PurchaseOrderID**” = “TESTPO0002”
* “**Owner**” = “testOrg2”

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Get Production Order

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/production-order>

***Request Type***: GET

***Query Payload***:

* “**ProductionOrderID**” = “TESTPRODORD0002”
* “**Owner**” = “testOrg1”

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Get Sales Order

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/sales-order>

***Request Type***: GET

***Query Payload***:

* “**SalesOrderID**” = “TESTSO0002”
* “**Owner**” = “testOrg1”

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Get Delivery

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/delivery>

***Request Type***: GET

***Query Payload***:

* “**DeliveryNumber**” = “TESTDEL0002”
* “**SalesOrderID**” = “TESTSO0002”
* “**Owner**” = “testOrg1”

***Authorization***:

* ***Username***: admin
* ***Password***: secret

# Get Shipment

***URI***: <https://b97r5leqxj.execute-api.us-east-1.amazonaws.com/manufacturer/shipment>

***Request Type***: GET

***Query Payload***:

* “**ShipmentID**” = “TESTSHIP0002”

***Authorization***:

* ***Username***: admin
* ***Password***: secret

## ***IMPORTANT:***

Please Note: Information once entered inside Blockchain cannot be deleted. Same ID could not be used again, as they are primary key for storing information inside Blockchain. If needed to delete data, please contact “Rom Solanki – [rosolanki@deloitte.com](mailto:rosolanki@deloitte.com)”